



Science experiments resume on ISS, may have commercial use

Science satellite to launch late-July from Vandenberg

▲ **ISS Update:** Science, maintenance and training for spacewalks was the focus of attention last week for the Expedition Seven crew, Commander Yuri Malenchenko and NASA International Space Station Science Officer Ed Lu as they completed their fifth week in space aboard the orbiting laboratory. The station's Microgravity Science Glovebox was back in action supporting hands-on experiments in a closed/controlled environment after researchers reset the unit's computer to resume activity with the InSPACE experiment (Investigating the Structure of Paramagnetic Aggregates from Colloidal Emulsions), which began during the Expedition Six increment on the station. Scientists hope to develop better fluids for systems that are routinely exposed to magnetic fields, such as automobile brake fluids and vibration damping systems. Experimenters also hope to use data from InSPACE to develop new applications such as vibration damping systems for buildings in earthquake-prone areas.

▲ **ELV Update:** The SCISAT/ACE (Atmospheric Chemistry Experiment) spacecraft is scheduled to launch no earlier than July 25 from Vandenberg AFB. SCISAT-1 weighs about 330 pounds and will be placed in a 400-mile-high polar orbit. The scientific mission of SCISAT-1/ACE mission is to measure and understand the chemical processes that control the distribution of ozone in the Earth's atmosphere, particularly at high altitudes. The data from the satellite will provide Canadian and international scientists with improved measurements relating to global ozone processes and help policy makers assess existing environmental policy and develop protective measures for improving the health of our atmosphere, preventing further ozone depletion. The mission is designed to last two years.

◆ **Second Annual BBQ at the Lighthouse:** Enjoy an evening at the Cape Canaveral Lighthouse June 7, with

a barbecue from 4 to 8:30 p.m. The menu features beef, pork and chicken, plus corn and salads. Tickets are \$25. Arrangements for tickets can be made by calling 321-868-6502. They are also available at Mainely Lobster, 210 N. Orlando Avenue in Cocoa Beach, 799-4700; and Village Perks, 10 Oleander Street in Cocoa, 638-0038. Due to security considerations, transportation will be provided to the barbecue from the Cape Canaveral Air Force Station Pass & ID building starting at 4 p.m. All attendees must have a ticket and photo ID, be a U.S. citizen and at least 16 years old. Tickets are limited – get yours soon.

◆ **Auction at Ransom Road Bldg. M6-1671 –** Consisting of approx. 163 lots including but not limited to computer equipment, milling machine, tug battery charger, scrap copper, aluminum and stainless steel, electrical and electronic equipment. **Inspection Date/Time:** Tuesday, June 3, from 9:30 a.m. - 2 p.m. **Sale Date/Time:** Wednesday, June 4, at 9:30 a.m. For additional information, please call the Sales information line at 867-7605 or visit the web site at <http://surplus.ksc.nasa.gov>

◆ **Reminder –** At the Spaceport Health and Fitness Initiative on Thursday, June 5, Dr. Kenneth Cooper of Cooper Institute, Dallas, will speak on "Fitness and Obesity Rates," from noon to 1 p.m. in the KSC Training Auditorium.

◆ **Did You Know?** Tickets for the Astronaut Hall of Fame Induction June 20-21 are available online at <http://www.kennedyspacecenter.com> or by calling 321-449-4444. Weekend tickets cost \$59.45 plus tax for adults and \$39.45 plus tax for children ages 3-11.

KSC Countdown is published every Tuesday & Thursday.

Deadlines: 10 a.m. Mondays & Wednesdays. Send information, comments or questions to:

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